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Rev. 02/02/06

FEET TRANSMITTAL For FY 2006 <small>Patent fees are subject to annual revision</small>		Complete If Known																																																																																																																																																													
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT: \$ 225.00		Application Number: 10/715,806 Filing Date: 11/17/2003 First Named Inventor: Melissa A. Petruska Examiner Name: T. Kugel Group/Art Unit: 1712 Attorney Docket No.: S-100,841																																																																																																																																																													
METHOD OF PAYMENT (check all that apply)		FEET CALCULATION (continued)																																																																																																																																																													
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>1061</td><td>2061</td><td>\$130 \$65</td><td>Surcharge – late filing fee or oath</td></tr> <tr><td></td><td></td><td>1052</td><td>2052</td><td>\$50 \$25</td><td>Surcharge – late provisional filing fee or cover sheet</td></tr> <tr><td></td><td></td><td>1812</td><td>2520</td><td>\$250 \$250</td><td>For filing a request for reexamination</td></tr> <tr><td></td><td></td><td>1251</td><td>2251</td><td>\$120 \$60</td><td>Extension for reply within first month</td></tr> <tr><td></td><td></td><td>1252</td><td>2252</td><td>\$450 \$225</td><td>Extension for reply within second month</td></tr> <tr><td></td><td></td><td>1253</td><td>2253</td><td>\$1020 \$510</td><td>Extension for reply within third month</td></tr> <tr><td></td><td></td><td>1254</td><td>2254</td><td>\$1590 \$795</td><td>Extension for reply within fourth month</td></tr> <tr><td></td><td></td><td>1255</td><td>2255</td><td>\$2160 \$1080</td><td>Extension for reply within fifth month</td></tr> <tr><td></td><td></td><td>1401</td><td>2401</td><td>\$500 \$250</td><td>Notice of Appeal</td></tr> <tr><td></td><td></td><td>1402</td><td>2402</td><td>\$500 \$250</td><td>Filing a brief in support of an appeal</td></tr> <tr><td></td><td></td><td>1403</td><td>2403</td><td>\$1000 \$500</td><td>Request for oral hearing</td></tr> <tr><td></td><td></td><td>1452</td><td>2452</td><td>\$500 \$250</td><td>Petition to revive – unavoidable</td></tr> <tr><td></td><td></td><td>1814</td><td>2814</td><td>\$110 \$55</td><td>Terminal Disclaimer</td></tr> <tr><td></td><td></td><td>1453</td><td>2453</td><td>\$1500 \$750</td><td>Petition to revive – unintentional</td></tr> <tr><td></td><td></td><td>1460</td><td>2460</td><td>\$130 \$130</td><td>Petitions to the Director</td></tr> <tr><td></td><td></td><td>1806</td><td>2806</td><td>\$180 \$180</td><td>Submission of Information Disclosure Statement</td></tr> <tr><td></td><td></td><td>1809</td><td>2809</td><td>\$790 \$395</td><td>Filing a submission after final rejection (37 CFR 1.129 (a))</td></tr> <tr><td></td><td></td><td>1810</td><td>2810</td><td>\$790 \$395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr> <tr><td></td><td></td><td>1811</td><td>2811</td><td>\$100 \$100</td><td>Certificate of Correction</td></tr> <tr><td></td><td></td><td>1504</td><td>2504</td><td>\$300 \$300</td><td>Publication fee for early, voluntary, or normal publication/Republication fee</td></tr> <tr><td></td><td></td><td>1801</td><td>2801</td><td>\$790 \$395</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td colspan="2" style="text-align: center;">Other fee (specify) _____</td> <td colspan="2" style="text-align: center;">SUBTOTAL (3) \$ 225.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">APPLICATION SIZE FEE 1081 \$250 2081 \$125.00 For each additional 50 sheets that exceed 100 sheets, including specification and drawings SUBTOTAL (2) \$ 0.00 (Include total of Claims Fees and Size Fee here)</td> <td colspan="2" style="text-align: center;">Reduced by Basic Filing Fee Paid SUBTOTAL FROM 1 \$ 0.00 SUBTOTAL FROM 2 \$ 225.00 SUBTOTAL FROM 3 \$ 0.00 TOTAL AMOUNT OF PAYMENT \$ 225.00 (Enter total amount at top of page)</td> </tr> <tr> <td colspan="2" style="text-align: center;">SUBMITTED BY</td> <td colspan="2" style="text-align: center;">Complete (if applicable)</td> </tr> <tr> <td>Printed Name:</td> <td>Bruce H. Cottrell</td> <td>Reg. No.</td> <td>30,620</td> </tr> <tr> <td>Signature:</td> <td>Bruce H. Cottrell</td> <td>Date:</td> <td>May 19, 2006</td> </tr> <tr> <td></td> <td></td> <td>Telephone</td> <td>(505) 657-9168</td> </tr> </tbody></table>		Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid			1061	2061	\$130 \$65	Surcharge – late filing fee or oath			1052	2052	\$50 \$25	Surcharge – late provisional filing fee or cover sheet			1812	2520	\$250 \$250	For filing a request for reexamination			1251	2251	\$120 \$60	Extension for reply within first month			1252	2252	\$450 \$225	Extension for reply within second month			1253	2253	\$1020 \$510	Extension for reply within third month			1254	2254	\$1590 \$795	Extension for reply within fourth month			1255	2255	\$2160 \$1080	Extension for reply within fifth month			1401	2401	\$500 \$250	Notice of Appeal			1402	2402	\$500 \$250	Filing a brief in support of an appeal			1403	2403	\$1000 \$500	Request for oral hearing			1452	2452	\$500 \$250	Petition to revive – unavoidable			1814	2814	\$110 \$55	Terminal Disclaimer			1453	2453	\$1500 \$750	Petition to revive – unintentional			1460	2460	\$130 \$130	Petitions to the Director			1806	2806	\$180 \$180	Submission of Information Disclosure Statement			1809	2809	\$790 \$395	Filing a submission after final rejection (37 CFR 1.129 (a))			1810	2810	\$790 \$395	For each additional invention to be examined (37 CFR 1.129(b))			1811	2811	\$100 \$100	Certificate of Correction			1504	2504	\$300 \$300	Publication fee for early, voluntary, or normal publication/Republication fee			1801	2801	\$790 \$395	Request for Continued Examination (RCE)	Other fee (specify) _____		SUBTOTAL (3) \$ 225.00		APPLICATION SIZE FEE 1081 \$250 2081 \$125.00 For each additional 50 sheets that exceed 100 sheets, including specification and drawings SUBTOTAL (2) \$ 0.00 (Include total of Claims Fees and Size Fee here)		Reduced by Basic Filing Fee Paid SUBTOTAL FROM 1 \$ 0.00 SUBTOTAL FROM 2 \$ 225.00 SUBTOTAL FROM 3 \$ 0.00 TOTAL AMOUNT OF PAYMENT \$ 225.00 (Enter total amount at top of page)		SUBMITTED BY		Complete (if applicable)		Printed Name:	Bruce H. Cottrell	Reg. No.	30,620	Signature:	Bruce H. Cottrell	Date:	May 19, 2006			Telephone	(505) 657-9168
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Ideas that Change the World

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P.O. Box 1663, LC/IP, MS A187

Los Alamos, NM 87545

(505) 667-3766

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FAX TRANSMISSION COVER SHEET

Date: May 19, 2006

To: Amendment/Response *US Patent and Trademark Office* **Phone:**
Fax: (571) 273-8300

From: Bruce H. Cottrell *LC/IP* **Phone:** (505) 667-9168
Fax: (505) 665-4424

Re: 10/715,806
S-100,641
Melissa A. Petruska

Sender: Karen Y. Mikus

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Comments:

Included in this facsimile transmittal are the following documents for filing in the above-identified patent application:

**Response to Office Action dated December 19, 2005.
Fee Transmittal for 2 month extension of time (\$225.00).**

Fee Payments Authorized: \$ 225.00

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UNCLASSIFIED

MAY 19 2006

Rev. 06/04/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Melissa A. Petruska Docket No.: S-100,641

Serial No.: 10/715,806 Examiner: T. Kugel

Filed : 11/17/2003 Art Unit: 1712

For : NANOCRYSTAL/SOL-GEL NANOCOMPOSITES

Customer No. 35068

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT/RESPONSE

Sir:

In response to the Office Action dated December 19, 2005, please enter the following amendments to the Claims, and consider the accompanying remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

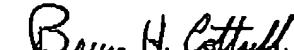
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Signature

Date May 19, 2006

Bruce H. Cottrell
(type or print name of person certifying)

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